

FIG. 1

		Single Layer of Clear Lens Monomer Mix	A5
	; ;	Single or Multiple Layer of Color Ink	(A6)
	Single Laminate	Color Ink Layer (Single or M Polymer Surface Primary or Secondar A7 or (
Color Layer or (A10)	Sandwich Laminate	A7 or A9 Polymer Surface Polymer Surface A7 or A9	. (

(A8) or

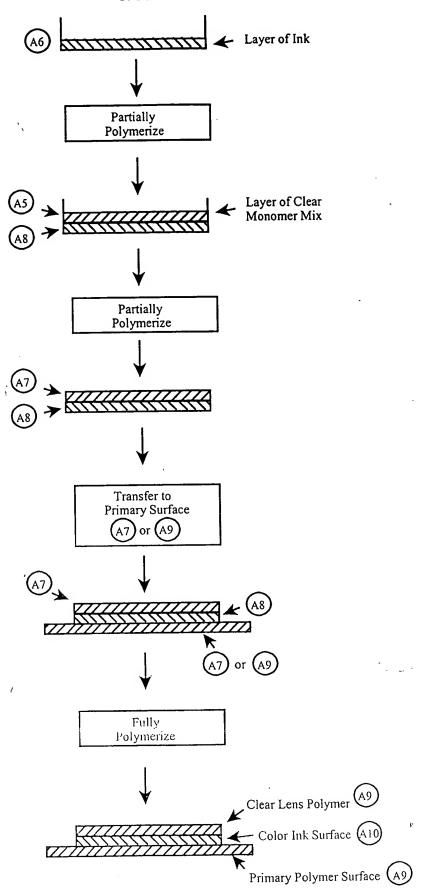
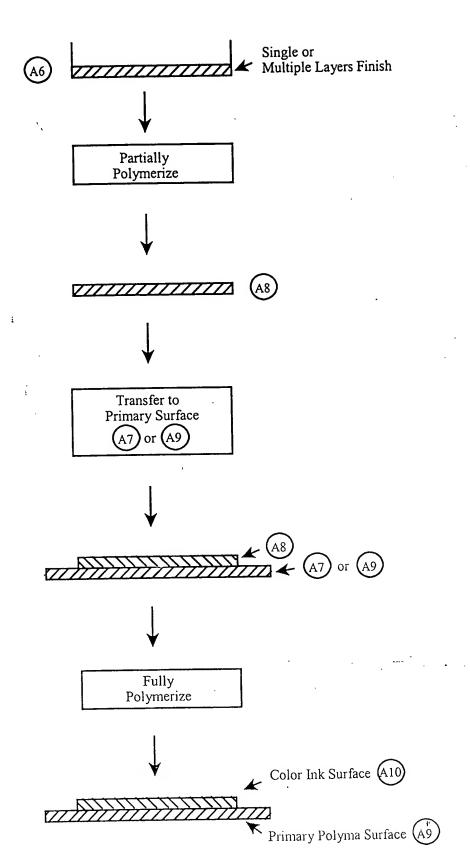
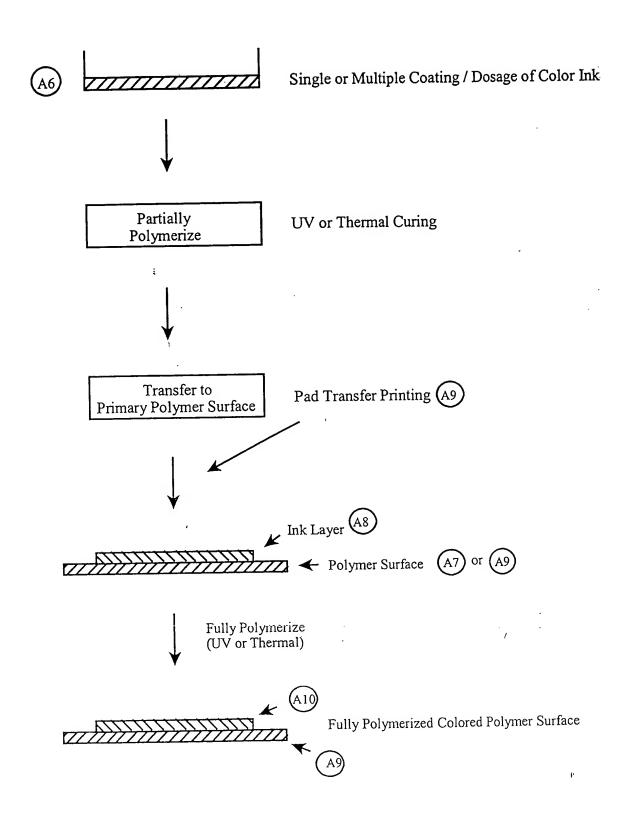
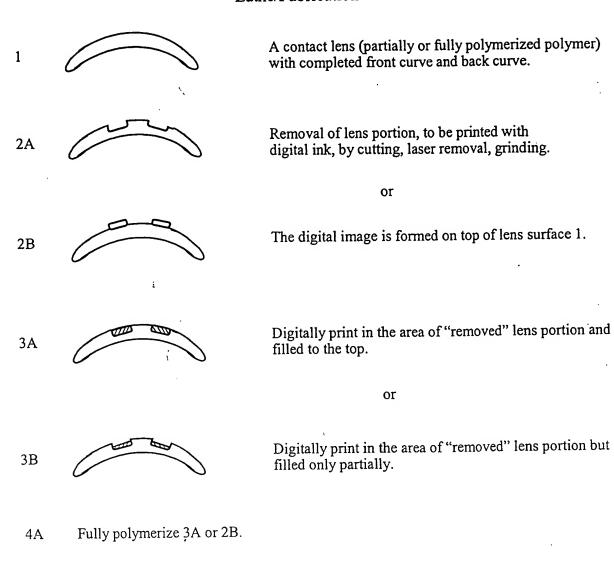


FIG. 3A





Lathe/Fabrication



5B

4B

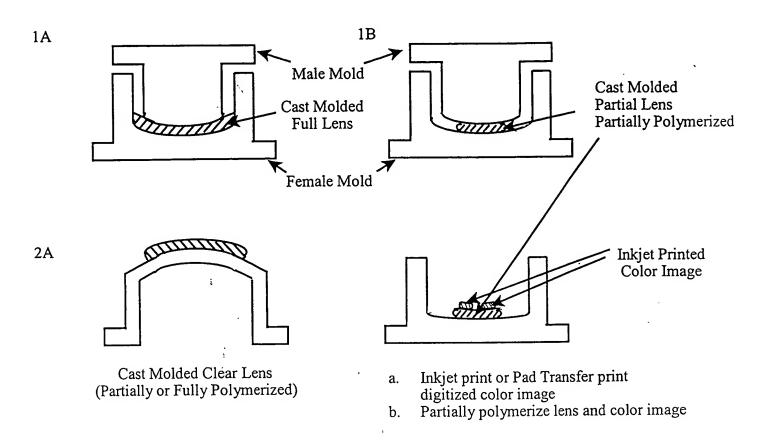
or partially polymerize 3B.

Provide a clean monomer layer on the top of the partially filled and partially polymerized digital image area to get laminated image.

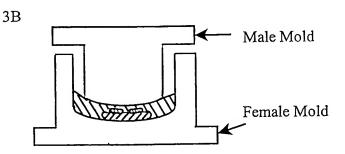
- 6B Fully polymerize 5B.
- 7. Take 4A or 6B and carry out process steps like polishing, hydration as required to produce soft or hard lens.

NOTE: Step 2 can be carried out on front surface or back surface. When back surface is removed the process that provided sandwich 'laminated' structure is preferred, for comfort purpose.

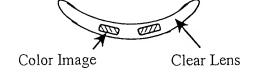
Cast Molded Lens



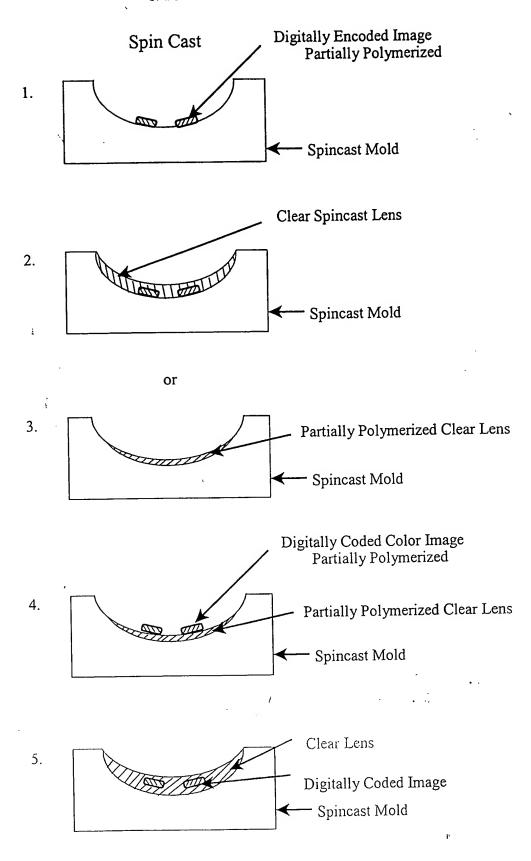
3A Follow 3A to 7 process steps as described for fabrication process



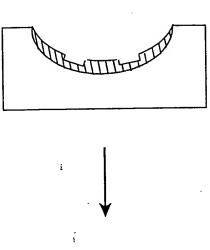
- a. Fill cast mold system with additional monomer to prepare a full lens
- b. Fully polymerized lens



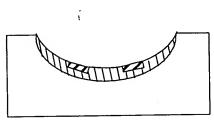
- 4B Remove male/female mold giving a cast molded with 'laminated' digitized color image
- Follow edging, polishing hydration process, as necessary, to produce a soft or hard contact lens



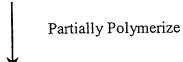
6. Follow conventional lens finishing process.

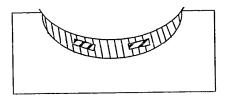


Removeal of Lens Portion to be Printed with Ink by Cutting, Laser, etc.



Digitally Print in the Area of the Removed Lens Portion and Fill to the Top or Partially





Provide a Clear Monomer Mix; or Partially or Fully Polymerized Digital Image; to be fully polymerized



FIG. 8A

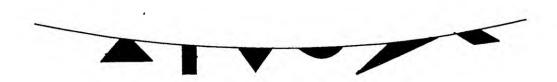
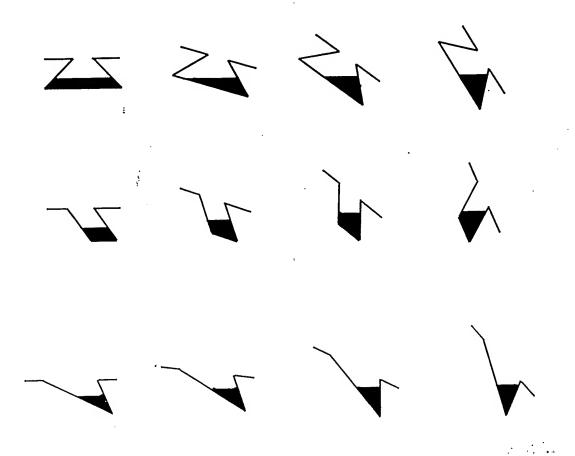


FIG. 8B



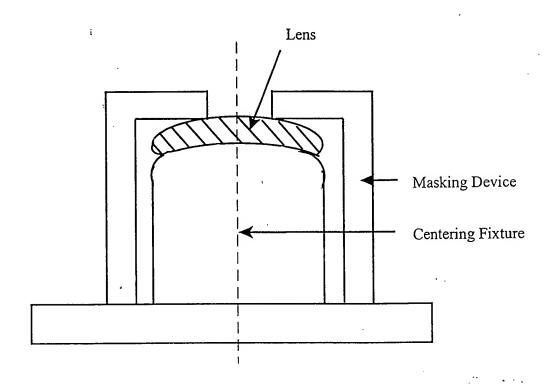


FIG. 10

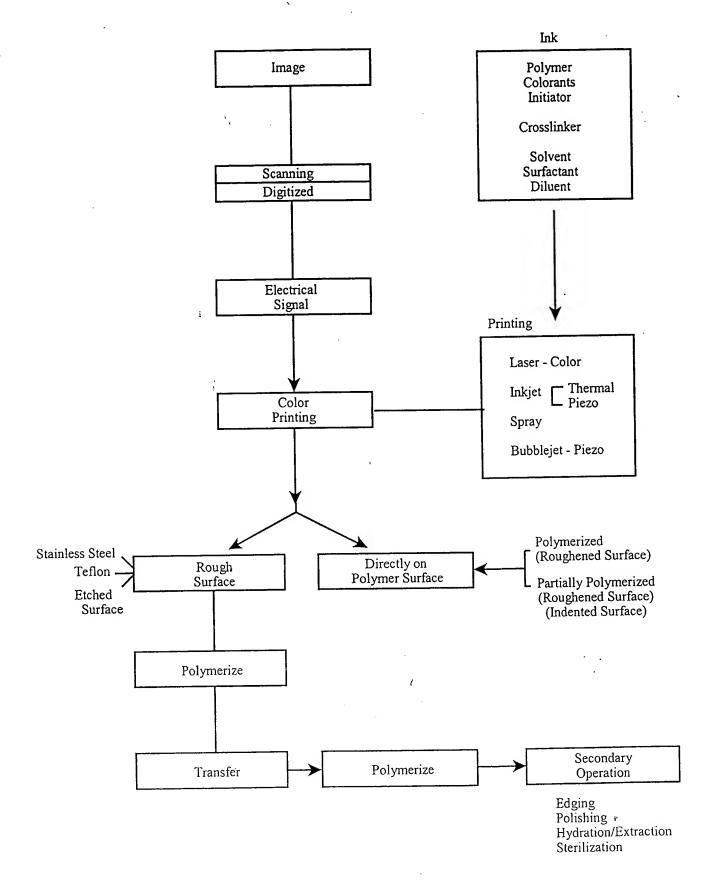


FIG. 11

